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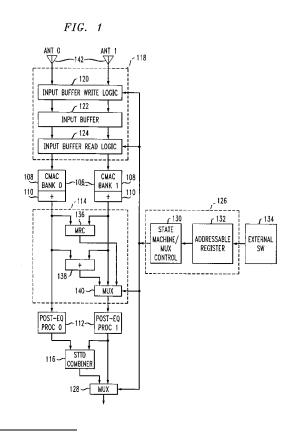


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(54) Reconfigurable communications circuit including diversity mode

(57) A communications circuit can operate in a first mode, such as a diversity mode including space time transmit diversity (STTD). In this mode, a number of equalizer filter portions connected to a number of post-equalizer processors are employed. When the diversity mode is not required, the extra equalizer filter portions would represent a waste of power consumption and/or chip space. A combining circuit and suitable control circuitry are provided to allow use of the additional equalizer filter portions to be made in other operating modes. Appropriate trade-offs can be made based on power consumption and performance.





EUROPEAN SEARCH REPORT

Application Number EP 06 25 0662

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				H04B		
	The present search report has b	een drawn up for all claims				
Place of search		Date of completion of the search		Examiner		
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